

TECHSPEC<sup>®</sup> 12.5mm Dia. 355nm 45°, Nd:YAG Laser Line Mirror



TECHSPEC<sup>®</sup> Nd:YAG Laser Line Mirrors



Stock **#47-323** **14 In Stock**

-

1

+

£117<sup>60</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-25       | £117.60 each                  |
| Qty 26-49      | £103.20 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Laser Mirror

Physical & Mechanical Properties

Parallelism (arcmin):

<3

|                                                                                                                      |                                |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------|
| >90                                                                                                                  | Clear Aperture (%)             |
| Ground                                                                                                               | Back Surface                   |
| 12.50 +0.00/-0.20                                                                                                    | Diameter (mm)                  |
| 6.00 ±0.20                                                                                                           | Thickness (mm)                 |
| Optical Properties                                                                                                   |                                |
| 10-5                                                                                                                 | Surface Quality                |
| 99.5                                                                                                                 | Reflection at DWL (%)          |
| Coating Specification:<br>R <sub>abs</sub> >99.5% @ 355nm @45° AOI<br>R <sub>avg</sub> >99.5% @ 351 - 358nm @45° AOI |                                |
| 351 - 358                                                                                                            | Wavelength Range (nm)          |
| λ/10                                                                                                                 | Surface Flatness (P-V)         |
| Dielectric                                                                                                           | Coating Type                   |
| Laser Mirror (355nm)                                                                                                 | Coating                        |
| 355                                                                                                                  | Design Wavelength DWL (nm)     |
| 45                                                                                                                   | Angle of Incidence (°)         |
| Fused Silica (Corning 7980)                                                                                          | Substrate: □                   |
| 6 J/cm² @ 355nm, 20ns, 20Hz                                                                                          | Damage Threshold, Reference: □ |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 247:                  |

## Product Details

- Up to 99.9% Reflectivity at Nd:YAG Harmonic Frequencies
  - High Laser Induced Damage Threshold Specifications
  - 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
  - TECHSPEC® Laser Mirror Substrates and TECHSPEC® Yb:YAG Laser Line Mirrors Also Available
- TECHSPEC® Nd:YAG Laser Line Mirrors combine high reflectivity, excellent surface quality, and precision surface flatness to meet the requirements of demanding Nd:YAG laser applications. Each coating design has been tested to ensure a high laser damage threshold for compatibility with pulsed laser systems. These fused silica substrate laser mirrors have excellent thermal stability and are available in round, square, and rectangular profiles. TECHSPEC® Nd:YAG Laser Line Mirrors are ideal for laboratories and integration into larger laser systems. 266nm, 355nm, 532nm, 1064nm, and multi-line Nd:YAG mirror coatings are available.
- Note:** Contact us for customizable wavelengths, sizes, and varying AOI versions.

## Compatible Mounts